Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/18/2021 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125984	0	3.22	125997	3.28
Blue	F	SSC	125000	124712	-1	4.19	125623	4.25
Blue	E	FITC	14203	13863	-3	3.46	301	15.71
Blue	D	PE	25703	25596	-1	3.17	554	10.78
Blue	B	PerCP-Cy5-5	42104	41549	-2	3.82	930	15.07
Blue	A	PE-Cy7	34646	34272	-2	5.14	496	29.90
Red	C	APC	49824	49187	-2	3.16	1511	11.47
Red	A	APC-Cy7	39773	39044	-2	3.13	736	11.88
Violet	B	V450	7447	7068	-6	4.15	394	12.44
Violet	A	V500	31193	30235	-4	4.02	686	10.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22190	3.55	552	-4	N/A	N/A	Pass
Blue	F	SSC	54686	3.82	516	4	N/A	N/A	Pass
Blue	E	FITC	55	51.89	486	0	0.0363	25	Pass
Blue	D	PE	108	39.92	488	3	0.4163	341	Pass
Blue	B	PerCP-Cy5-5	176	36.19	580	3	0.0182	25	Pass
Blue	A	PE-Cy7	111	64.86	624	4	0.0208	0	Pass
Red	C	APC	351	24.88	569	2	0.0286	196	Pass
Red	A	APC-Cy7	204	24.85	547	3	0.0061	758	Pass
Violet	B	V450	88	39.85	454	5	0.0497	1474	Pass
Violet	A	V500	120	28.02	473	6	0.0245	431	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.26	-32.08	0.95
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	21.12	15.99 - 23.99	N/A	N/A	30.46	30.71	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10079

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments